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MAR 1952 04-44

CLASSIFICATION CONFIDENTIAL SECURITY INFORMATION CENTRAL INTELLIGENCE AGENCY

INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS REPORT

CD NO.

COUNTRY

USSR - RSFSR, Groznenskaya Oblast

DATE OF

1953

SUBJECT

Economic - Petroleum industry, drilling and production technology

INFORMATION

HOW

PUBLISHED Daily newspapers

DATE DIST. 13 Nov 1953

WHERE

PUBLISHED Baku, Moscow

NO. OF PAGES

DATE

PUBLISHED 12 Apr - 24 Jun 1953

SUPPLEMENT TO

LANGUAGE Russian

REPORT NO.

THE UNITED STATES. WITHIN THEMEANING OF TITLE 18. SECTIONS 79 P THE UNITED STATES, WITHIN THEMEARING OF TITLE 18. SECTIONS TO ND 784. OF THE U.S. CODE. AS AMENDED. ITS TRANSMISSION OR REVE ATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON I

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TECHNOLOGICAL DEVELOPMENTS IN THE GROZNEFT' ASSOCIATION

EQUIPMENT FOR TESTING DRILLING MUDS -- Baku, Bakinskiy Rabochiy, 12 Apr 53

During the drilling of oil wells, the fragments broken up by the bit are carried to the surface by means of a clay solution. A poor quality of solution leads to various complications in drilling. To forestall emergencies and increase drilling speeds, production workers and scientists from Laboratory No 3 of GrozNII (Groznyy Scientific Research Institute for Petroleum), under the direction of V. S. Baranov, are working toward a solution of this problem.

After a number of experiments it was established that the viscosity of the drilling solution decreased if a certain quantity of netroleum were added to it. However, there was no instrument with which to determine the degree of viscosity of the clay solution. Baranov worked out a design for such an instrument, and an order was sent from GrozNII to the control-gauging equipment shop of the 23rd sector of the Oktyabr'neft' Trust for the manufacture of this equipment.

In March, the above shop produced the first ten instruments of the new design. Industrial testing at the Groznefterazvedka Trust, the Malgobekneft' Trust, and the Starogroznenskaya Drilling Office yielded good results.

FIRST THREE-HORIZON OIL WELL AT GROZNYY -- Moscow, Trud, 5 Jun 53

The Starogroznenskaya Drilling Office has completed the drilling of the first three-horizon oil well at Groznyy. The production string has been lowered into the well. This type of well has a large diameter which permits the lowering into it of three columns of tubing. Each of these is intended for the production of petroleum from a separate horizon.

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NEW ELECTRICAL CONTROL AND POWER EQUIPMENT -- Baku, Bakinskiy Rabochiy, 23 Jun 53

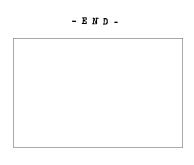
Engineers of the Oktyabr'neft' Trust have constructed an electrical apparatus which makes it possible to place tens of pumping jacks into operation soltaneously. At present, 80 percent of the oil wells in the trust are operated automatically.

Today, the Groznyy Electromechanical Plant completed the construction of the first mobile electric power substation of a new type for the oil fields.

DEPTH OF DRILLING IN THE GROZNEFT' ASSOCIATION -- Moscow, Trud, 24 Jun 53

Drillers of the Starogrozneft' Trust have completed the drilling of an experimental oil well having a depth of 1,420 meters. The drilling of this experimental well using a directional derrick indicated that it is possible to d'ill to a depth of up to 2 kilometers using this method. This is especially important in offshore drilling.

A brigade of the Oktyabr'skaya Office of Deep Exploratory Drilling completed the drilling of oil well No 5 to a depth of 3,200 meters. The brigade completed the job ahead of schedule, and has saved the state more than half a million rubles in 1953.



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